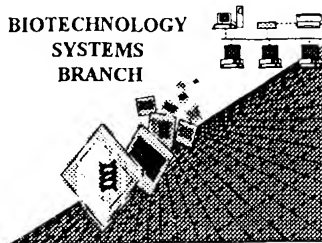


BIOTECHNOLOGY  
SYSTEMS  
BRANCH



0590

**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/029,345  
Source: 01P2  
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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

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PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

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OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/029,345

DATE: 01/15/2002

TIME: 08:07:08

Input Set : A:\D0072.NP.ST25.txt

Output Set: N:\CRF3\01152002\J029345.raw

PP. 2-5

3 <110> APPLICANT: Bristol-Myers Squibb Company  
 5 <120> TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL HUMAN PHOSPHATASES  
 7 <130> FILE REFERENCE: D0072.NP  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/029,345  
 C--> 9 <141> CURRENT FILING DATE: 2001-12-20  
 9 <150> PRIOR APPLICATION NUMBER: US 60/256,868  
 10 <151> PRIOR FILING DATE: 2000-12-20  
 12 <150> PRIOR APPLICATION NUMBER: US 60/280,186  
 13 <151> PRIOR FILING DATE: 2001-03-30  
 15 <150> PRIOR APPLICATION NUMBER: US 60/287,735  
 16 <151> PRIOR FILING DATE: 2001-05-01  
 18 <150> PRIOR APPLICATION NUMBER: US 60/295,848  
 19 <151> PRIOR FILING DATE: 2001-06-05  
 21 <150> PRIOR APPLICATION NUMBER: US 60/300,465  
 22 <151> PRIOR FILING DATE: 2001-06-25  
 24 <160> NUMBER OF SEQ ID NOS: 208  
 26 <170> SOFTWARE: PatentIn version 3.0  
 28 <210> SEQ ID NO: 1  
 29 <211> LENGTH: 144  
 30 <212> TYPE: DNA  
 31 <213> ORGANISM: HOMO SAPIENS  
 33 <400> SEQUENCE: 1  
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 36 ctagatatgg tgaagggtgat gacatttgcc ttacaggaag gaaaagtagc tatccattgt 120  
 38 catgcagggc ttggtcgaac aggt 144  
 41 <210> SEQ ID NO: 2  
 42 <211> LENGTH: 48  
 43 <212> TYPE: PRT  
 44 <213> ORGANISM: HOMO SAPIENS  
 46 <400> SEQUENCE: 2  
 48 Leu Val Tyr Phe Tyr Asn Phe Gly Trp Lys Asp Tyr Gly Val Ala Ser  
 49 1 5 10 15  
 51 Leu Thr Thr Ile Leu Asp Met Val Lys Val Met Thr Phe Ala Leu Gln  
 52 20 25 30  
 54 Glu Gly Lys Val Ala Ile His Cys His Ala Gly Leu Gly Arg Thr Gly  
 55 35 40 45  
 57 <210> SEQ ID NO: 3  
 58 <211> LENGTH: 33  
 59 <212> TYPE: DNA  
 60 <213> ORGANISM: HOMO SAPIENS  
 62 <400> SEQUENCE: 3  
 63 gatgtcttct gggccctcct gtggaacaca gtt 33  
 66 <210> SEQ ID NO: 4  
 67 <211> LENGTH: 11  
 68 <212> TYPE: PRT  
 69 <213> ORGANISM: HOMO SAPIENS  
 71 <400> SEQUENCE: 4

Does Not Comply  
Corrected Diskette Needed

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/029,345

DATE: 01/15/2002

TIME: 08:07:08

Input Set : A:\D0072.NP.ST25.txt

Output Set: N:\CRF3\01152002\J029345.raw

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76 <210> SEQ ID NO: 5
77 <211> LENGTH: 746
78 <212> TYPE: DNA
79 <213> ORGANISM: HOMO SAPIENS
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82 gtgycgcggg aggcgcgcgag gccaggtagg tgcgatgggc gtgcagcccc ccaacttctc 60
84 ctgggtgctt ccgggcccgc ttggcgggact ggcgctgccg cggctccccg cccactacca 120
86 gttcctgttg gacctgggcg tgcggcacct ggtgtccctg acggagcgcg ggccccctca 180
88 cagcgacagc tgccccggcc tcacctgca ccgcctgcgc atccccgact tctgcccgcc 240
90 ggccccgcac cagatcgacc gcttcgtgca gatcgtggac gaggccaacg cacggggaga 300
92 ggctgtggga qtgcactgtg ctctgggctt tggccgcact ggcacatgc tggcctgta 360
94 cctggtgaag gacgggggct tggctgcagg agatgccatt gctgaaatcc gacgactacg 420
96 acccgcccc atcgagacct atgagcagga gaaagcagtc ttccagttct accagcgaac 480
98 gaaataaggg gccttagtac cttctacca ggcctcact cccctcccc atgttgctga 540
100 tggggccaga gatgaaggga agtggactaa agtattaaac cctctagctc ccattggctg 600
102 aagacactga agtagcccac cctgcaggc aggtcctgat tgaaggggag gcttgactg 660
104 ctttgttgaa taaatgagtt ttacgaacca gggaaaaaaa aaaaaaaaaa aaagaaaaaa 720
106 aaaaaaaaaa aaaaaaaaaa aaagaa 746
109 <210> SEQ ID NO: 6
110 <211> LENGTH: 248
111 <212> TYPE: PRT
112 <213> ORGANISM: HOMO SAPIENS
114 <220> FEATURE:
115 <221> NAME/KEY: VARIANT
116 <222> LOCATION: (160)..(160) (162)..(162) see next page
117 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.
120 <220> FEATURE:
121 <221> NAME/KEY: VARIANT
122 <222> LOCATION: (200)..(200)
123 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.
126 <220> FEATURE:
127 <221> NAME/KEY: VARIANT
128 <222> LOCATION: (202)..(202) (203)..(203)
129 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.
132 <220> FEATURE:
133 <221> NAME/KEY: VARIANT
134 <222> LOCATION: (214)..(214)
135 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.
138 <220> FEATURE:
139 <221> NAME/KEY: VARIANT
140 <222> LOCATION: (223)..(223) (224)..(224)
141 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.
144 <400> SEQUENCE: 6
146 Trp Pro Gly Arg Arg Arg Gly Gln Val Gly Ala Met Gly Val Gln Pro
147 1          5          10          15
149 Pro Asn Phe Ser Trp Val Leu Pro Gly Arg Leu Ala Gly Leu Ala Leu
150          20          25          30

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/029,345

DATE: 01/15/2002

TIME: 08:07:08

Input Set : A:\D0072.NP.ST25.txt

Output Set: N:\CRF3\01152002\J029345.raw

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152 Pro Arg Leu Pro Ala His Tyr Gln Phe Leu Leu Asp Leu Gly Val Arg
153          35          40          45
155 His Leu Val Ser Leu Thr Glu Arg Gly Pro Pro His Ser Asp Ser Cys
156          50          55          60
158 Pro Gly Leu Thr Leu His Arg Leu Arg Ile Pro Asp Phe Cys Pro Pro
159 65          70          75          80
161 Ala Pro Asp Gln Ile Asp Arg Phe Val Gln Ile Val Asp Glu Ala Asn
162          85          90          95
164 Ala Arg Gly Glu Ala Val Gly Val His Cys Ala Leu Gly Phe Gly Arg
165          100          105          110
167 Thr Gly Thr Met Leu Ala Cys Tyr Leu Val Lys Glu Arg Gly Leu Ala
168          115          120          125
170 Ala Gly Asp Ala Ile Ala Glu Ile Arg Arg Leu Arg Pro Gly Pro Ile
171          130          135          140
173 Glu Thr Tyr Glu Gln Glu Lys Ala Val Phe Gln Phe Tyr Gln Arg Thr
174 145          150          155          160
W--> 176 Lys Xaa Gly Ala Leu Val Pro Phe Tyr Gln Ala Leu Thr Pro Leu Pro
177          165          170          175
179 His Val Val Asp Gly Ala Arg Asp Glu Gly Lys Trp Thr Lys Val Leu
180          180          185          190
W--> 182 Asn Pro Leu Ala Pro Ile Gly Xaa Arg His Xaa Ser Ser Pro Pro Leu
183          195          200          205
W--> 185 Gln Ala Gly Pro Asp Xaa Arg Gly Gly Leu Tyr Cys Phe Val Glu Xaa
186          210          215          220
188 Met Ser Phe Thr Asn Gln Gly Lys Lys Lys Lys Lys Lys Arg Lys Lys
189 225          230          235          240
191 Lys Lys Lys Lys Lys Lys Lys Arg
192          245
194 <210> SEQ ID NO: 7
195 <211> LENGTH: 511
196 <212> TYPE: DNA
197 <213> ORGANISM: HOMO SAPIENS
199 <400> SEQUENCE: 7
200 atggctagaa tgaacctccc tgcctctgtg gacattgcat acaaaaatgt gagatttctt 60
202 attacacaca acccaaccaa tacctacttt aatagattct tacaggaact taagcaggat 120
204 ggagttacca ccatagtaag agtatgaaaa gcaacttaca acattgctct ttagagaag 180
206 ggaagcatcc aggttcgga ctggcctttt gatgatggtg cagcaccatc cagccagata 240
208 attgataact ggttaaaact tatgaaaaat aaatttcattg aagatcctgg ttgttgatt 300
210 gcaattcact gtgttgtagg ttttggtgga gctccagttg ctagtgtccc tagctttaat 360
212 tgaaggtgga atgaaatatg aaaatgtagt acagttcatc agataaaaagt gacatggaac 420
214 ttttaacagc aaacaacttt tgtatttgga gaaatattgt cttaaaatat gcttgacact 480
216 cagaaatccc agaaataact gtttcottca g
219 <210> SEQ ID NO: 8
220 <211> LENGTH: 170
221 <212> TYPE: PRT
222 <213> ORGANISM: HOMO SAPIENS
224 <220> FEATURE:
225 <221> NAME/KEY: Variant
226 <222> LOCATION: (49)..(49)

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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/029,345

DATE: 01/15/2002  
TIME: 08:07:08

Input Set : A:\D0072.NP.ST25.txt  
Output Set: N:\CRF3\01152002\J029345.raw

227 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.  
230 <220> FEATURE:  
231 <221> NAME/KEY: Variant  
232 <222> LOCATION: (110)..(110)  
233 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.  
236 <220> FEATURE:  
237 <221> NAME/KEY: Variant  
238 <222> LOCATION: (121)..(121)  
239 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.  
242 <220> FEATURE:  
243 <221> NAME/KEY: Variant  
244 <222> LOCATION: (127)..(127)  
245 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.

248 <220> FEATURE:  
249 <221> NAME/KEY: Variant  
250 <222> LOCATION: (154)..(154) (155)..(155) ←  
251 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid. → what about Xaa at location 142?  
254 <400> SEQUENCE: 8

256 Met Ala Arg Met Asn Leu Pro Ala Ser Val Asp Ile Ala Tyr Lys Asn 15  
257 1 5 10  
259 Val Arg Phe Leu Ile Thr His Asn Pro Thr Asn Thr Tyr Phe Asn Arg 30  
260 20 25  
262 Phe Leu Gln Glu Leu Lys Gln Asp Gly Val Thr Thr Ile Val Arg Val 45  
263 35 40  
265 Xaa Lys Ala Thr Tyr Asn Ile Ala Leu Leu Glu Lys Gly Ser Ile Gln 60  
266 50 55  
268 Val Pro Asp Trp Pro Phe Asp Asp Gly Thr Ala Pro Ser Ser Gln Ile 80  
269 65 70 75  
271 Ile Asp Asn Trp Leu Lys Leu Met Lys Asn Lys Phe His Glu Asp Pro 95  
272 85 90  
274 Gly Cys Cys Ile Ala Ile His Cys Val Val Gly Phe Gly Xaa Ala Pro 110  
275 100 105  
277 Val Ala Ser Cys Pro Ser Phe Asn Xaa Arg Trp Asn Glu Ile Xaa Lys 125  
278 115 120  
W--> 280 Cys Ser Thr Val His Gln Ile Lys Val Thr Trp Asn Phe Xaa Gln Gln 140  
281 130 135  
W--> 283 Thr Thr Phe Val Phe Gly Glu Ile Leu Ser Xaa Asn Met Leu Ala Pro 160  
284 145 150 155  
W--> 286 Gln Lys Ser Gln Lys Xaa Leu Phe Pro Ser 170  
287 165 170

289 <210> SEQ ID NO: 9

290 <211> LENGTH: 1710

291 <212> TYPE: DNA

292 <213> ORGANISM: HOMO SAPIENS

294 <400> SEQUENCE: 9

295 ctcaggcaga actatgagggc caagagtgtc catgcgcacc aggcctttctt tttgaaattc 60  
297 gaggagctga aggaggtgag caaggagcag cccagactgg aggcctgagta ccttgccaac 120  
299 accaccaaga actgttaacc acatgtgcta ccctatgacc actccagggt caggctgacc 180  
301 cagctggagg gagagcctca ttctgactac atcaatgcc aacttggtccc aggctacacc 240

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/029,345

DATE: 01/15/2002  
TIME: 08:07:08

Input Set : A:\D0072.NP.ST25.txt  
Output Set: N:\CRF3\01152002\J029345.raw

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303 cgcacacagg agttcattgc ctctcagggg cctctcaaga aaacactgga gaacttctgg 300
305 cgactgggtgc gggagcagca ggcccgcatc atcatcatgc cgaccatcag catggagaac 360
307 gggagggtgac tctgtgagca ttactggctg accgactcta ccccggaacac ccatggtcac 420
309 atcaccatcc acctcctagc tgaggagcct gaggatgagt ggaccaagcg ggaattccag 480
311 ctgcagcagc ttgtccagca acatcaacgg aggggtggagc aactgcagtt caccacctga 540
313 tccgaccaca gcattcctga ggtcccgagg cccctgctcg cctttatgga gctgggtacag 600
315 tagcaggcaa gggccacca gggcgaggga cccatcctgg tgcactgcag gggctgtccc 660
317 tgcggtgtgg gcatgggccc gacaggcacc ttctgtggcc tgtcgaggct gctgcagcag 720
319 ctggaggagg agcagatggt agacgtgttc catgctgtgt atgcactcgg gatgcaccag 780
321 cccctcatga tccagaccct gagccagtac gtcttctctg acagctgcct actgaacaag 840
323 attctggaag gacccttcaa catctctgag tcttgcccca tctctgtgac ggacctcccc 900
325 caggcgtgtg ccaagagggc agccagtgcc aatgctggct tcttgaagga gtacgaggcc 960
327 atcaaggacg aggctggctt tcccgacccc ccgctggct atgagcagga cagccccgtc 1020
329 tctatgacc gttctcaggg gcagttttct ccggtggagg agagccccc tyacgacatg 1080
331 cctctctgga agccaatgat ctgtgctctg cagggtgggc cctctggccg tgatcatacg 1140
333 gtgctgactg gccccgcagg gccaaaggag ctctgggagc tgggtgtggca gcacagggt 1200
335 catgtgcttg tctctctttg cccaccaat gtcattggaga aggaattctg gccaacggag 1260
337 atgcagcccc tagtcacaga catggtgacg gtgcactggg tggctgagag cagcacagca 1320
339 ggctggttct gtaccctcct cagggtcaca catggggaga gcaggaagga aaggagggtg 1380
341 cagagactgc aatttcata cctggagcct gggcatgagc tgcccgccac caccctgtg 1440
343 ccttctctgg ctgctgtggg ccagtgtctg tctcggggca acaacaagaa gccgggcaca 1500
345 ctgctcagcc actccaacaa ggggtgcaacc cagctgggca ccttctggc catggagcag 1560
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355 <211> LENGTH: 570
356 <212> TYPE: PRT
357 <213> ORGANISM: HOMO SAPIENS
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361 <222> LOCATION: (46)..(46)
362 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.
365 <220> FEATURE:
366 <221> NAME/KEY: Variant
367 <222> LOCATION: (180)..(180)
368 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.
371 <220> FEATURE:
372 <221> NAME/KEY: Variant
373 <222> LOCATION: (201)..(201)
374 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.
377 <400> SEQUENCE: 10
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380 1 5 10 15
382 Phe Leu Lys Phe Glu Glu Leu Lys Glu Val Ser Lys Glu Gln Pro Arg
383 20 25 30
385 Leu Glu Ala Glu Tyr Pro Ala Asn Thr Thr Lys Asn Cys Xaa Pro His
386 35 40 45
388 Val Leu Pro Tyr Asp His Ser Arg Val Arg Leu Thr Gln Leu Glu Gly

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→

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/029,345

DATE: 01/15/2002

TIME: 08:07:09

Input Set : A:\D0072.NP.ST25.txt

Output Set: N:\CRF3\01152002\J029345.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No  
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
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L:3201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79  
L:3233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81  
L:3267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82  
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